

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-47 (cancelled)

Please add the following new claims:

Claim 48 (new): A method comprising the steps of inducing a switch from adult hemoglobin to fetal hemoglobin in a cell comprising contacting said cell with a hemoglobin inducing polypeptide comprising:

- (a) the amino acid sequence of the polypeptide shown in Figure 4 (SEQ ID NO:7);
- (b) the amino acid sequence of the polypeptide shown in Figure 4 (SEQ ID NO:7), lacking its associated signal peptide;
- (c) the amino acid sequence of the extracellular domain of the polypeptide shown in Figure 4 (SEQ ID NO:7);
- (d) the amino acid sequence of the extracellular domain of the polypeptide shown in Figure 4 (SEQ ID NO:7), lacking its associated signal peptide; or
- (e) the amino acid sequence of the polypeptide encoded by the full-length coding sequence of the cDNA deposited under ATCC accession number 209508.

Claim 49 (new): The method of claim 48, wherein the hemoglobin inducing polypeptide comprises the amino acid sequence shown in Figure 4 (SEQ ID NO:7).

Claim 50 (new): The method of claim 48, wherein the hemoglobin inducing polypeptide comprises the amino acid sequence shown in Figure 4 (SEQ ID NO:7), lacking its associated signal peptide.

Claim 51 (new): The method of claim 48, wherein the hemoglobin inducing polypeptide comprises the amino acid sequence of the extracellular domain of the polypeptide shown in Figure 4 (SEQ ID NO:7).

Claim 52 (new): The method of claim 48, wherein the hemoglobin inducing polypeptide comprises the amino acid sequence of the extracellular domain of the polypeptide shown in Figure 4 (SEQ ID NO:7), lacking its associated signal peptide.

Claim 53 (new): The method of claim 48, wherein the hemoglobin inducing polypeptide comprises the amino acid sequence of the polypeptide encoded by the full-length coding sequence of the cDNA deposited under ATCC accession number 209508.

Claim 54 (new): A method comprising the steps of inducing a switch from adult hemoglobin to fetal hemoglobin in a cell comprising contacting said cell with a hemoglobin inducing polypeptide comprising:

- (a) the amino acid sequence of the polypeptide shown in Figure 4 (SEQ ID NO:7) with 0-10 amino acid additions, deletions, or substitutions;
- (b) the amino acid sequence of the polypeptide shown in Figure 4 (SEQ ID NO:7) with 0-10 amino acid additions, deletions, or substitutions, lacking its associated signal peptide;
- (c) the amino acid sequence of the extracellular domain of the polypeptide shown in Figure 4 (SEQ ID NO:7) with 0-10 amino acid additions, deletions, or substitutions;
- (d) the amino acid sequence of the extracellular domain of the polypeptide shown in Figure 4 (SEQ ID NO:7) with 0-10 amino acid additions, deletions, or substitutions, lacking its associated signal peptide; or
- (f) the amino acid sequence of the polypeptide encoded by the full-length coding sequence of the cDNA deposited under ATCC accession number 209508.